INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18219

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01S 15/02, 15/06, 15/32 US CL : 367/99, 100, 131 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 367/87, 99, 100, 101, 131				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched none				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) East text, Japio, Derwent, USPAT				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	US 5,481,504 A (ROSENBACH et al) 02 January 1996 (02.01.1996), see entire document		1-33	
A	US 4,847,817 A (AU et al) 11 July 1989 (11.07.1989), see entire document		· 1-33	
A	US 3,681,747 A (WALSH) 01 August 1972 (01.08.1972), see entire document		1-33	
i,			·	
Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance.		"T" later document published after the inte date and not in conflict with the applic principle or theory underlying the invention of particular relevance; the considered novel or cannot be considered when the document is taken alone document of particular relevance; the considered to involve an inventive steeponding with one or more other sucl being obvious to a person skilled in the	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step	
		Date of mailing of the international search report		
24 September 2004 (24.09.2004)		21 JAN 2005		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Authorized officer Ian J. Lobo Telephone No. (703) 306-4161	to	